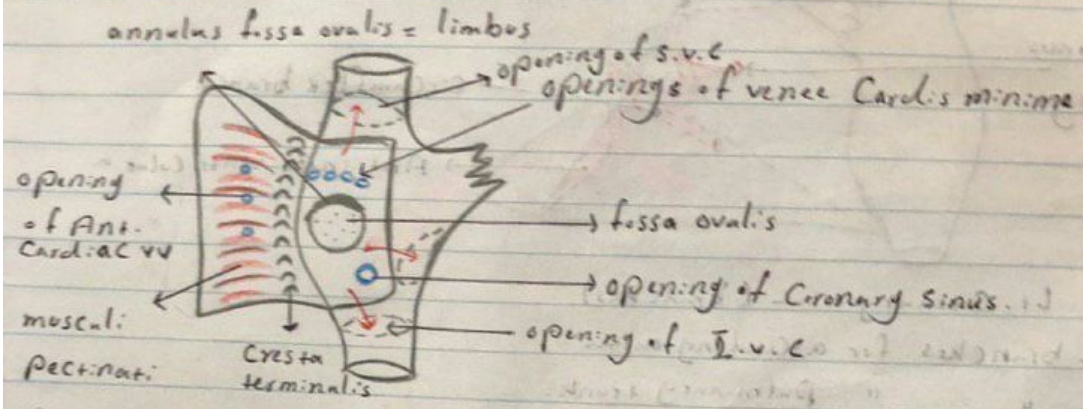
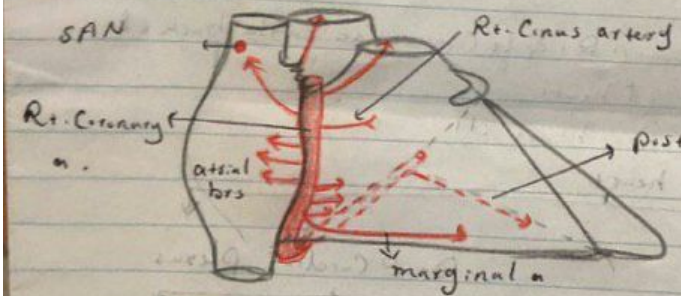
الإسم :- خولة خالد الشرقي

1) Discribe the Rt. atrium from inside ?!!



2) Blood supply of the heart ?!!



Rt. Coronary a :-

- branches for ascending aorta.
- branches for pulmonary trunk.
- Rt. Sinus artery.
- ventricular & atrial branches
- branch for SAN
- marginal a
- post. interventricular a.

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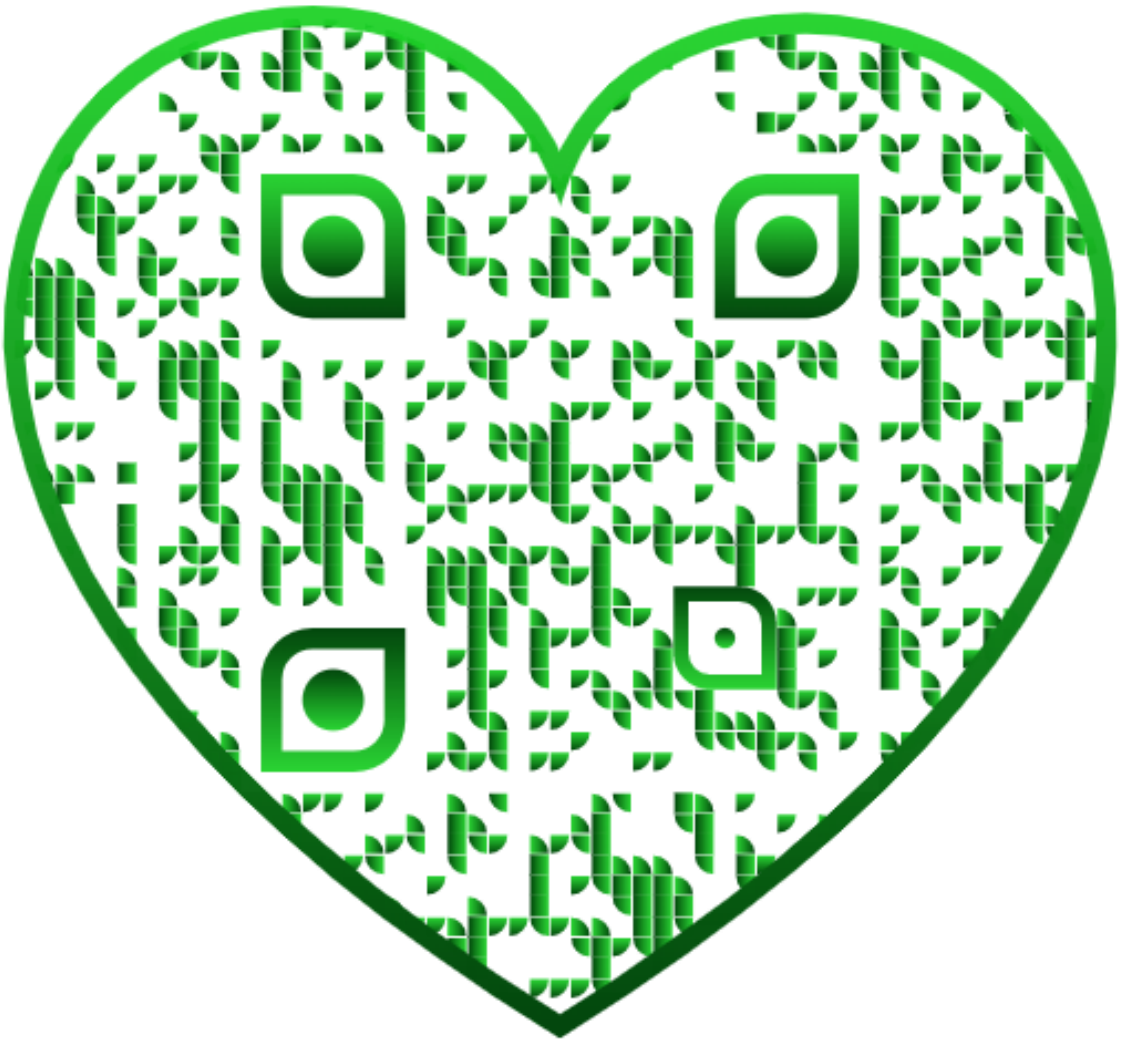
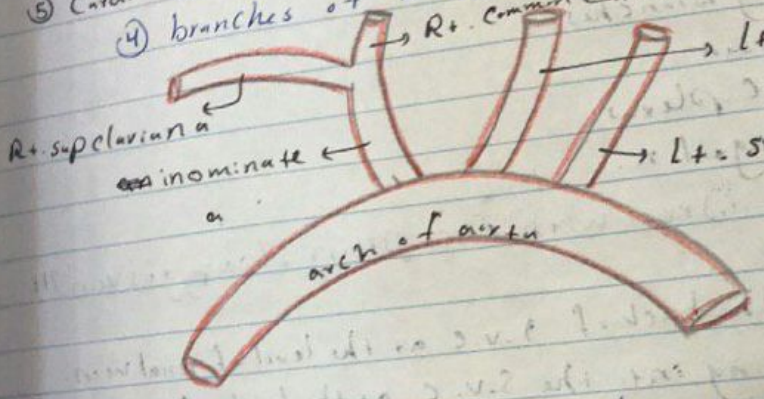


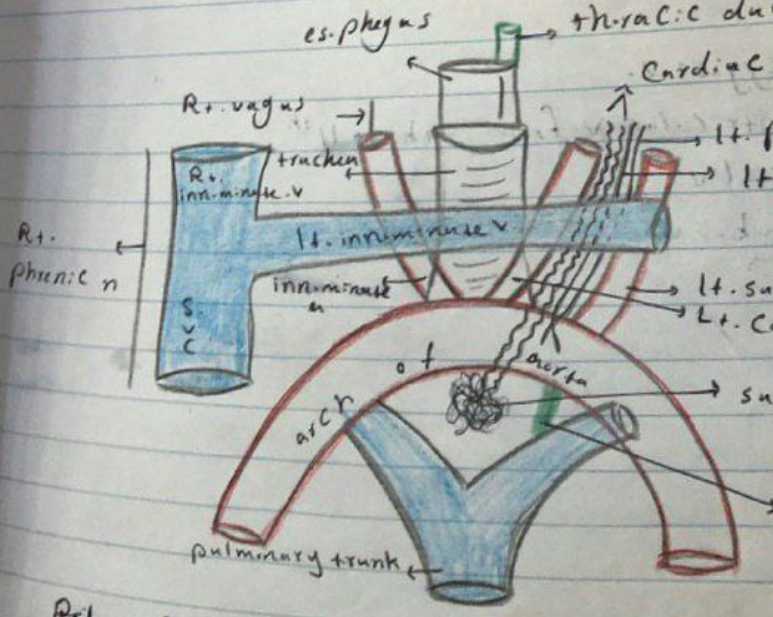
* symp. of Deep Cardiac plexus :-

① Cardiac branch of lt. middle symp. ganglion.
② " " " " inf. " "
③ Cardiac branch of lt. symp. ganglion 2-4.
④ Cardiac branches from Rt → sup & mid & inf. (cervical symp ganglion)
⑤ Cardiac branches of Rt symp. ganglion from 2-4.

④ branches of arch of aorta



⑤ Relation of arch of aorta



~~Rel~~ Relation of arch of aorta :-

ant :-

1. lt. vagus n
2. lt. phrenic n
3. Cardiac nn
4. reminant of thymus gland.
5. manubrium sterni.
6. lt. branch of pulmonary a.

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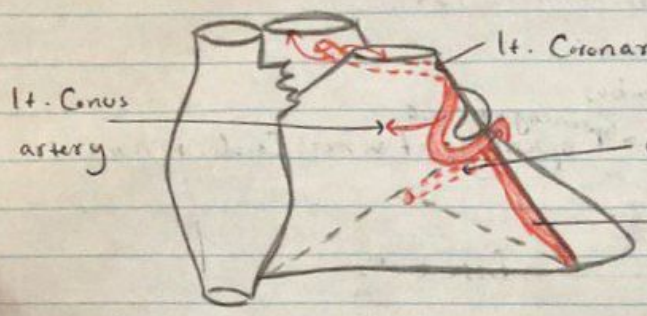

Lt. Coronary a :- (branches)

① - branches for ascending aorta
② - " " pulm. nary trunk.
③ - lt. Conus artery
④ - Circumflex branch
⑤ - Ant. interventricular.

* there're anastomosis between Rt & lt Coronary aa on the back of heart and near of the apex of heart.

③ :- Nerve supply of the heart ?!!

2 plexus supply the heart

Superficial cardiac plexus

parasympathetic → from vagus → ① inf. Cardiac branch of lt. vagus

sympathetic → from sympathetic chain → ① Cardiac branch from the lt. superior. Cervical sympathetic ganglia

Deep Cardiac plexus

para- → vagus

sympathetic → sympathetic chain

* Para of Deep Cardiac plexus :-

① superior Cardiac branch of lt. vagus
② Cardiac branch of lt. laryngeal recurrent n.
③ Sup & inf Cardiac branches of Rt. vagus.
④ Cardiac branch of R.L.N.

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[8] esophegus

- length:- 25 cm
- Beginning:- in the neck at the lower border of C6.
- End:- in the abdomen, just below the oesphegeal opening.
- parts:-
  1. cervical part
  2. thoracic part
  3. abdominal part

[9] trachea

* length:- 4-4.5 inches
* Beginning:- in the neck at the lower border of larynex. at the level of C6.
* End:- at the sternal angle by dividing into R+&L+ main bronchus.

[10] the differences between R+ & L+ lungs ?!!

R+. lung	L+. lung
① 3 lobes → Ant, sup, middle	① 2 lobes → sup, inf
② 2 fissures :- oblique, longitudinal	② 1 fissure → oblique
③ n. Cardiac notch or lobular	③ Ant border has Cardiac notch & lobular
⑤ base is deep due to the R+ lobe of liver	⑤ base is shallow
⑥ hillum Contain 2 bronchus	⑥ hillum Contain one bronchus

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Post :-

[1] trachea
[2] esophegus
[3] Lt. reccurrent laryngeal n
[4] Thoracic duct

below :-

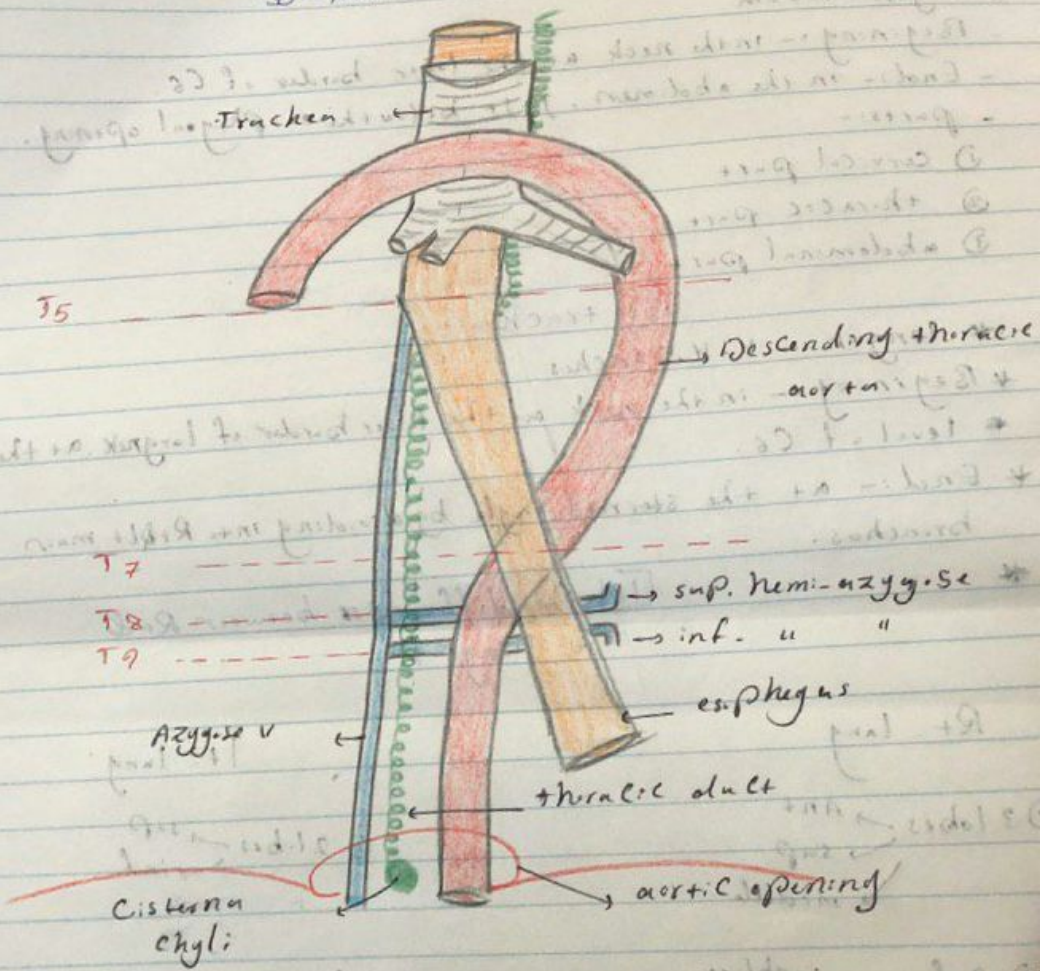
[1] pulmonary trunk
[2] Lt & Rt pulmonary branches
[3] ligamentum arteriosum
[4] superficial Cardiac plexus.
[5] Lt. reccurrent laryngeal n.
[6] :- Draw with description of azygos vein ?!!

* beginning :- from the back of I.v.c at the level of renal vein.
* End :- by draining int. the S.v.c at the level of sternal angle.
* tributaries :-

[1] :- hemiazygose v.
[2] - accessory hemi-azygose.v.
[3] - Rt. P.st. interventricular v from 4th to 11th
[4] - Rt. sup. intercostal v.
[5] - Rt. ascending lumbar v.
[6] - Rt. subCostal v
[7] - vesceral vv.

الإسم :- خولة خالد المشرقي

7:- Thoracic duct



* Begining :- Cisterna chyli ~~at the level of T5~~ frome the aortic opening.
* Course :- It arise along the ~~right~~ Lt side of descending thoracic aorta then at T5 become at the Rt side of es. Phagus.
* End:- it end by drain into the Junction of internal jugular v & lt. sub. Clavian v.
* It recive the lymph from lower limbs & pelvis & Abdomen & Rt. upper limb & Rt. side of chest ~~and~~, head and neck.

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